

Replacement of Waipilopilo Stream Bridge Kamehameha Highway Hau`ula

Public Information Meeting for
National Environmental Policy Act (NEPA),
Chapter 343 Hawaii Revised Statutes (HRS),
Section 106 Consultation under National Historic
Preservation Act (NHPA)



**State of Hawaii
Department of Transportation
Highways Division**

March 13, 2018
6:30pm - 8:30pm
Hau`ula Civic Center

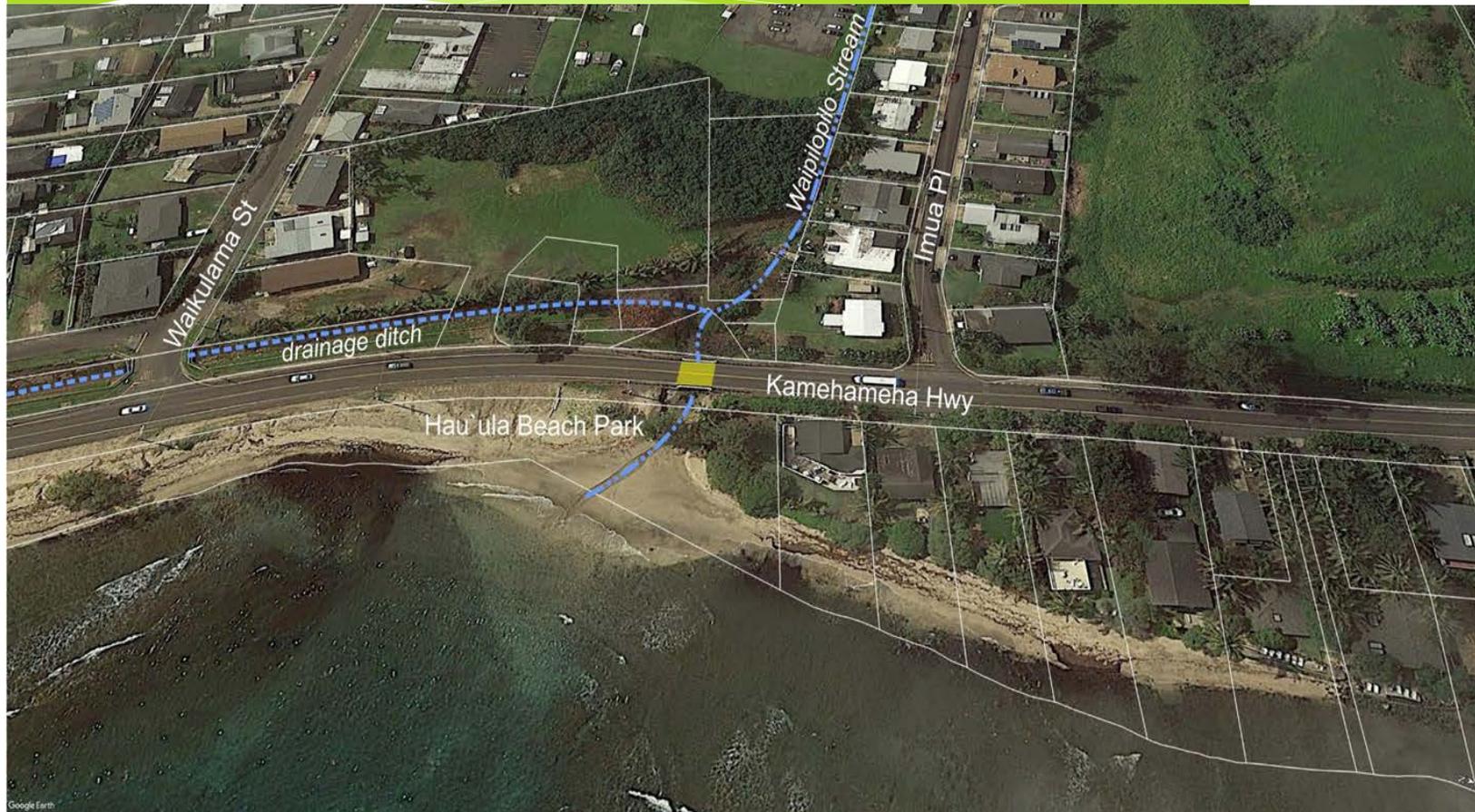
Meeting Agenda



- Project Background and Purpose
- Project Studies and Consultation
- Alternatives Studied in Chapter 343 HRS DEA
- Criteria for Alternative Selection
- Environmental Compliance (NEPA & Chapter 343)
- National Historic Preservation Act Section 106 Consultation
- Public Comments
- Next Steps

Project Background

Project Location



Project Background

Project Timeframe

- Initial Design Phase
 - Initiated community outreach: met with Koolauloa Neighborhood Board and Hauula Community Association in September 2011
- Environmental Evaluation Phase: Draft EA per HRS Chapter 343, and Section 106 NHPA
- Finalize Design
- Anticipated Ready to Advertise in July 2020
- Construction anticipated to take 18-24 months

Proposed Project Overview

HDOT Highways Program Status



<http://hidot.hawaii.gov/highways>

The screenshot shows the HDOT Highways Program Status web application. The interface includes a navigation menu with tabs for "Current/Construction", "Future Projects", "Payment Condition", "Traffic Counts", "Bridges", and "Total Closures". The "Bridges" tab is selected. The main area displays a map of Oahu with a red dot indicating the location of the Waipilopilo Stream Bridge Replacement project. A dashed line connects this dot to a detailed information popup window.

Oahu WAIPILOILO STRM

Bridged Feature: WAIPILOILO STRM

Priority Ranking: 21

Condition: Poor

Bridge Number: 003000830302112

Bridges are given a priority ranking using a weighted value that considers bridge condition, mobility, and risk.

Waipilopilo Stream Bridge Replacement, Hau`ula, Kamehameha Hwy

Project Purpose



- Built in 1932, bridge now has a Structural Rating (SR) of 47.8 by FHWA National Inventory Bridge Standards.
- Scope changed from Rehabilitation to Replacement to meet current Federal and State design standards



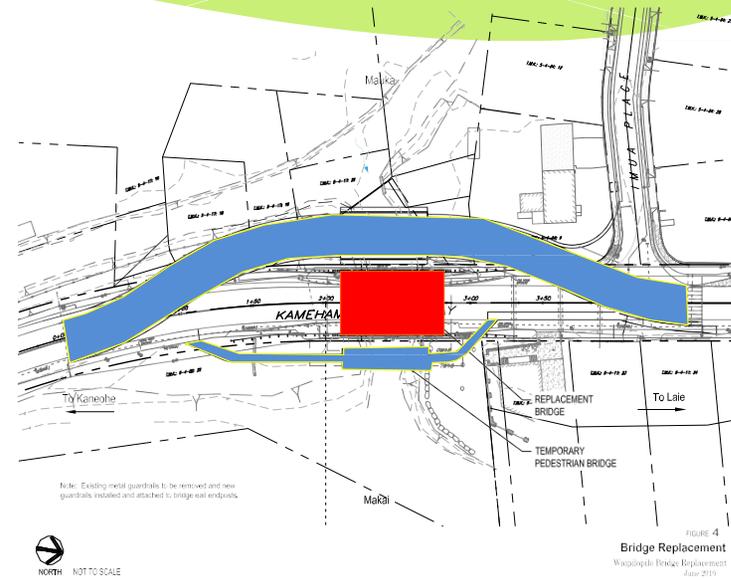
Waipilopilo Stream Bridge Replacement, Hau`ula, Kamehameha Hwy

Project Background

Bridge Replacement Sequence



- Temporary mauka detour vehicular road; temporary makai pedestrian bridge
- Demolish and remove existing bridge
- Construct new bridge substructure and supports for 16- and 12-inch waterlines
- Construct new bridge superstructure and approach, bridge rail and endpost; install new waterlines on new bridge
- Remove temporary facilities
- Restore public and private properties to preconstruction condition



Project Studies and Consultation



State Chapter 343 HRS EA

- Archaeological Inventory Survey
- Cultural Impact Assessment
- Biological and Water Quality Surveys
- Hazardous Materials Assessment
- Engineering studies: hydrological, geotechnical analyses

Federal NEPA Compliances

Section 106 Consultation per NHPA

- NHOs
- NPS, ACHP
- SHPD

Section 7 ESA

- NOAA
- USFWS

NOAA/NMFS: EFH

Section 4(f): Historic Bridge

Section 4(f): Public Park



Project Studies and Consultation

Chapter 343 HRS DEA



Early Consultation(2011-2016) Pre-assessment Phase

- Early consultation began Fall 2011
- Letters to agencies, organizations, utilities, community sent March 2016 responses included in Draft EA

Draft EA Phase (2016 – Present)

- AIS, CIA , Flora and Fauna, and Water Quality Surveys, Hazmat Assessment completed, incorporated into Draft EA
- SHPD accepted AIS report findings and mitigation measures per HRS Section 6E
- Draft EA published in OEQC Environmental Notice March 8, 2018



FIGURE 2
Aerial View with Tax Map Parcels
Waipilopilo Bridge Replacement
June 2016

Alternatives Studied in Chapter 343, HRS Draft EA



- Do Nothing: as is condition
- Rehabilitation: widen/retrofit existing structure
- Replacement: new structure to meet State and Federal design requirements



Criteria for Alternative Selection

- No Action would require on-going maintenance while not updating the bridge to meet current design standards
- Rehabilitation would only partly correct design requirements due to overall deterioration
- Replacement would meet current State and Federal design standards

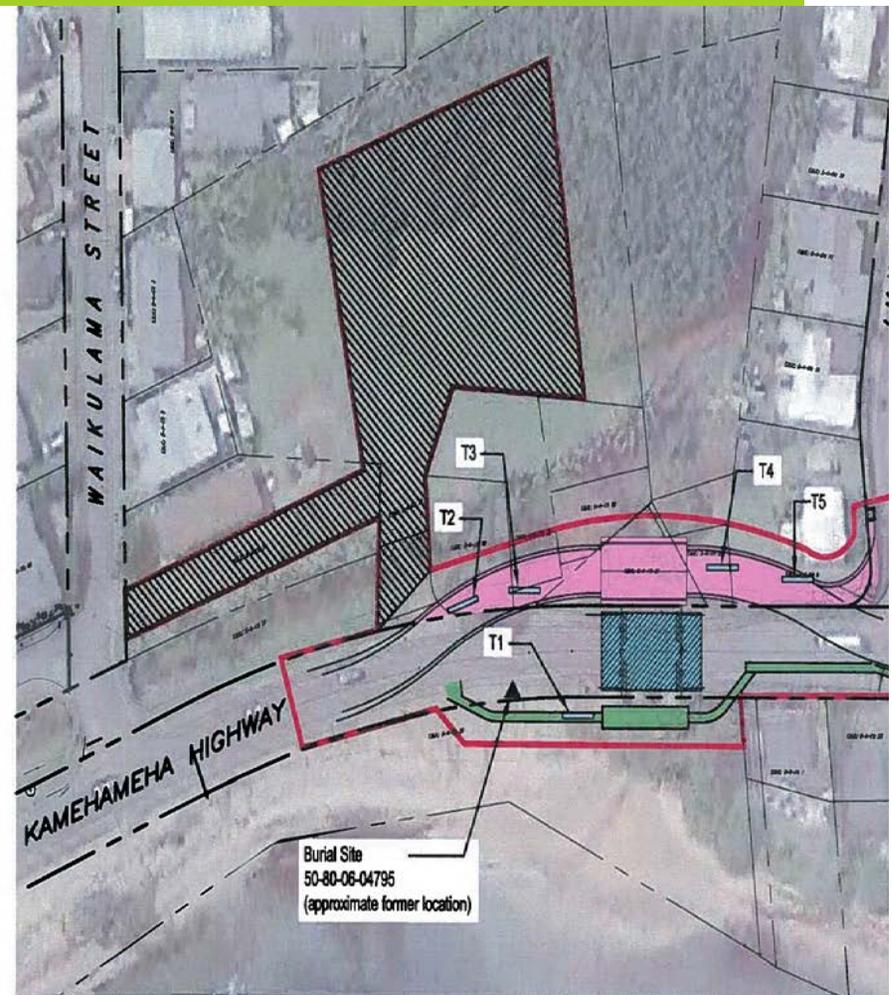
Environmental Compliance

Federal NEPA



Section 106 NHPA

- Area of Potential Effect (APE) consultation
- SHPO concurred with HDOT's APE August 2015
- Initiation of the consultation process began with Newspaper ad published in *Honolulu Star Advertiser* on February 22, 2016 & initiation of consultation announced via letters sent March 2016 to NHOs seeking comments
- Newspaper ad published in the *Honolulu Star-Advertiser* Feb. 27, 2018 and March 1, 2018 edition of the *Ka Wai Ola* to announce tonight's public information meeting.



NORTH NOT TO SCALE

Legend

 Area of Potential Effect (APE)

 Test Excavation

 Temporary 2-Lane Bridge

 Replacement Bridge

 Temporary Pedestrian

 Construction Staging

Environmental Compliance

NHO Consultation

March 2016



SHPD OHA
DHHL Hui Malama
Historic Hawaii Foundation
Koolauloa Hawaiian Civic Club
Punaluu Community Association
Hawaii Laieikawai Association, Inc.
Kahuku Community Association
Council for Native Hawaiian Advancement
Four Points Global Services Corp.
Hawaii Maoli
Hui Hooniho
Meleana Kawaiaea, LLC
Na Ohana o Puuaoi a me Hanawahine
Native Hawaiian Economic Alliance
Pacific American Foundation
Pap Ola Lokahi
Peahi Ohana
Royal Hawaiian Academy of Traditional Arts
The I Mua Group



Environmental Compliance

NEPA and Chapter 343 HRS



- Both Federal and State money would fund this project
- Must comply with the following Federal and State laws
 - NEPA
 - Chapter 343, HRS

Waipilopilo Stream Bridge Replacement, Hau`ula, Kamehameha Hwy

Environmental Compliance

Project Progress, Current Status



- Public information meeting: March 13, 2018
- FHWA, with SHPD concurrence, rendered determination of adverse effect on the bridge as a historic property: HAER completed, Memorandum of Agreement is in progress
- Finalize environmental documentations: Chapter 343 HRS EA (comment period March 8, 2018-April 9, 2018) and NEPA Categorical Exclusion (Catex) Doc.

Section 106 Consultation under NHPA



- Requires Federal agencies to consider the effects of their actions on historic properties
- Related State requirement is HRS Chapter 6E: archaeological inventory survey and cultural impact assessment
- Section 106 is a consultation process
 - Requires consultation with NHOs, community.

Waipilopilo Stream Bridge Replacement, Hau`ula, Kamehameha Hwy

National Historic Preservation Act Section 106 Consultation



Steps involved:

1. Initiated the process by inviting parties to consult
2. Identified historic properties
3. Assess effects: FHWA made the determination, SHPD concurred the action is adverse due to proposed replacement of historic bridge
4. Steps needed to resolve adverse effects: HAER, MOA, archaeological monitoring during construction

Public Comments Welcome



What are your comments for this project regarding

- Section 106 (historical and cultural sites)
- Chapter 343 and NEPA (comment about this project)

Please be respectful to those speaking

Please keep focused on the proposed project

Make comments here tonight or take home a comment form and mail it to us on or before April 9, 2018

Access the DEA on OEQC's website:

<http://health.Hawaii.gov/oeqc/>

More Information



HDOT

dotpao@hawaii.gov

hidot.hawaii.gov

HDOT Facebook & Twitter

587-2160

Next Steps



Chapter 343, HRS

- Finalize EA/Finding of No Significant Impact (FONSI)

Design

- Plans, Specifications & Cost Estimates

Prepare Federal Environmental Document

- NEPA Catex

Obtain Permits

Anticipated Ready to

Advertise Date: July 2020

- Construction Duration: 18 to 24 months





Mahalo

***Thank you for your patience as
HDOT works to improve
our state highways***

Contact Information



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